

VT 22000 Sealed Lead-Acid Battery

■ Specification

NOMINAL VOLTAGE		2 V		
NOMINAL CAPACITY		2000 Ah/10HR		
DIMENSIONS	LENGTH	± 2 mm	433 mm (17.05 inches)	
	WIDTH	± 2 mm	342 mm (13.46 inches)	
	HEIGHT	± 3 mm	341 mm (13.43 inches)	
	TOTAL HEIGHT	± 3 mm	351 mm (13.82 inches)	
WEIGHT APPROX.		118 Kg (260 lbs)		
HOUSING MATERIAL		ABS RESIN		
TYPE OF ELECTROLYTE		AGM STARVED		[VOLT & NUT TYPE] *[SCREW TYPE : M-10]

■ Characteristics

CAPACITY 20 °C (68 °F)	10 HR 200 A DCHG.	CUT-OFF 1.80V	2000 Ah		
	3 HR 540 A DCHG.	CUT-OFF 1.80V	1500 Ah		
	1 HR 1400 A DCHG.	CUT-OFF 1.60V	1200 Ah		
	0.5 HR 2000 A DCHG.	CUT-OFF 1.50V	1000 Ah		
INTERNAL RESISTANCE		FULL CHARGED BATTERY	20 °C (68 °F)	APPROX. 0.11 mΩ	
CAPACITY AFFECTED BY TEMPERATURE		40 °C (104 °F)	105% (10HR. DCHG. 2100 Ah)		
		20 °C (68 °F)	100% (10HR. DCHG. 2000 Ah)		
		0 °C (32 °F)	85% (10HR. DCHG. 1700 Ah)		
		-20 °C (-4 °F)	60% (10HR. DCHG. 1200 Ah)		
SELF-DISCHARGE 20 °C (68 °F)		1 MONTH	97%	6 MONTH	85%
		3 MONTH	91%	12 MONTH	64%
MAX. DCHG. CURRENT			5 SEC. DCHG.	10000A	
CHARGE	CYCLE	VOLTAGE	CONST. VOLTAGE CHRG. 2.4 V - 2.45 V 20°C (68°F)		
		CURRENT	INITIAL CHRG. AMPS. LESS THAN 530A		
	FLOAT	VOLTAGE	CONST. VOLTAGE CHRG. 2.23 V - 2.25 V 20°C (68°F)		
		CURRENT	INITIAL CHRG. AMPS. LESS THAN 530A		
OPERATING TEMP. RANGE		CHRG.	-10~40 °C (14~104 °F)	DCHG.	-20~50 °C (-4~122 °F)
LIFE EXPECTANCY		CYCLE	100% DCHG.	300 CYCLES	
			50% DCHG.	600 CYCLES	
			30% DCHG.	1600 CYCLES	
		FLOAT	15 YEARS		

